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METHOD AND APPARATUS FOR REDUCING REACTANT CROSSOVER IN A LIQUID FEED ELECTROCHEMICAL FUEL CELL

Abstract

In an electrochemical fuel cell, a sufficient quantity of catalyst, effective for promoting the reaction of reactant supplied to an electrode, is disposed within the volume of the electrode so that a reactant introduced at a first major surface of the electrode is substantially completely reacted upon contacting the second major surface. Crossover of reactant from one electrode to the other electrode through the electrolyte in an electrochemical fuel cell is thereby reduced.